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CENTRAL INTELLIGENCE AGENCY

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INFORMATION REPORT

SECRET

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COUNTRY	USSR (Moscow Oblast)	REPORT	
SUBJECT	Klystrons at NII 160, Fryazino	DATE DISTR.	17 December 1953
DATE OF INFO.		NO. OF PAGES	1
PLACE ACQUIRED		REQUIREMENT NO.	RD
		REFERENCES	
This is UNEVALUATED Information			

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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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25 YEAR RE-REVIEW

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STATE	X	ARMY	X#	NAVY	X	AIR	X#	FBI		AEC					
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(Note: Washington Distribution Indicated By "X"; Field Distribution By "X#".)

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Attachment

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PART II.

1. Sometime in 1949 a reflector klystron, tunable from .75 to 1 cm. was delivered to NII.160. A further two apparently similar klystrons were delivered in 1950. They were [redacted] to embody in apparatus for KD.8 crystal detectors. Data of operation is given in Annexure "A" to this report.

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The three specimens received at NII.160 carried no type or factory markings.

2.

[redacted] the klystrons had been developed in a MOSCOW institute, and were to go into production at an unspecified place for use in receivers in conjunction with the detector type KD.8 developed at NII.160.

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3. The history of the klystrons at NII.160 is as follows:-

1st Sample: Intermittent operation for 400 hours then cathode became non-emissive.

2nd Sample: Intermittent operation for 10 hours, then a fracture of the glass foot developed.

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3rd Sample: Intermittent operation for 40 hours [redacted]

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PART III. Index of Personalities and Establishments

PART IV.

Appendices. - Nil.

Annexures. - Sketches "A" and "B" of tunable klystron.

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Annexure "A" to

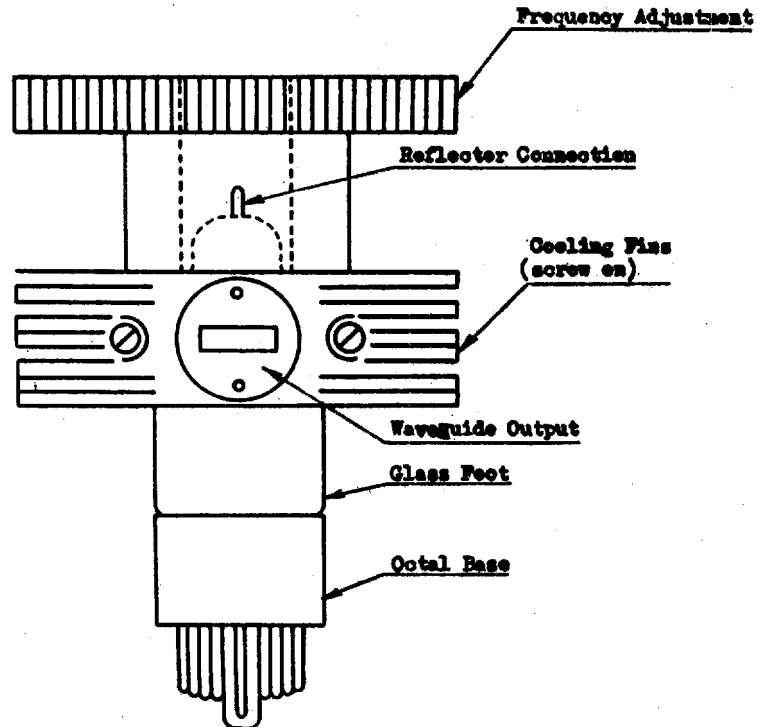
ANNEXURE "A"

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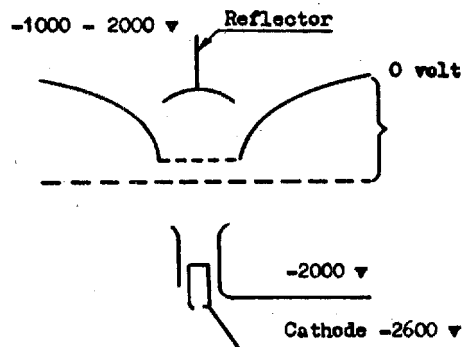
REFLECTOR KLYSTRON - TUNABLE FROM .75-1 cm.

SKETCH "A"

PHYSICAL APPEARANCE



SKETCH "B"



SKETCH "B"

DATA OF OPERATION

Heater 6.3 v 3 amps
Anode Current .50 a/a
Output (at .8 cm.) 120-150 m/w

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